INDEX

Abortions, 48
Abrams, L., Illustrated Flora of the Pacific States, 228
Acanthocephala, 157
Adaptive patterns, 255
Addicks, L. (Ed.), Silver in Industry, 132
Agassiz-Rogers debate, 1
Albright, W. F., From the Stone Age to Christianity, 247
Alexander, G., An Outline of General Zoology, 117
Algae, 395
Allen, A. A., *et al.*, Ornithology Laboratory Notebook, 362
Allen, G. M., The Mammals of China and Mongolia, 223
Allen, R. M., The Microscope, 386
American Institute of Physics, Symposium on Temperature, 369
American Philosophical Society, Classified Index to the Publications of the American Philosophical Society, 1769–1940, 384
Anderson, C. L. G., Life and Letters of Vasco Núñez de Balboa, 483
Andrews, R. C., This Amazing Planet, 213
Angell, R. C., The Integration of American Society, 487
Annelids, 430
Anterior pituitary body, 294
Arensberg, C. M., and Kimball, S. T., Family and Community in Ireland, 486
Arey, L. B., Developmental Anatomy, 231
Armstrong, E. A., Birds of the Grey Wind, 224
Arseniev, V. K., Dersu the Trapper, 222
Arthropods, 432
Ascidians, 432
Avian hosts for malaria research, 462

Bacharach, A. L., and Drummond, J. C. (Eds.), Vitamin E: A Symposium Held at the School of Hygiene and Tropical Medicine, London, 1939, 126
Bailey, J. W., Biology at the University of Richmond, 482
Baker, J. H. (Ed.), The Audubon Guide to Attracting Birds, 491
Baly, E. C. C., Photosynthesis, 378
Bamann, E., and Myrbäck, K. (Eds.), Methods of Enzyme Research, 239, 376, 506
Barker, L. F., Psychotherapy, 243
Basil, G. C., and Lewis, Elizabeth F., Test Tubes and Dragon Scales, 220
Bateman, D., Berkeley Moynihan, Surgeon, 111
Beatty, R. C., and Mulloy, W. J. (Eds.), William Byrd's Natural History of Virginia or the Newly Discovered Eden, 480
Beaver, W. C., Fundamentals of Biology: Animal and Plant, 103
de Beer, G. R., Embryos and Ancestors, 100
Bell, Marjorie (Ed.), Dealing with Delinquency, 356
Benmosché, M., A Surgeon Explains to the Layman, 238
Berry, Katherine F., A Pioneer Doctor in Old Japan, 218
Bigelow, H. B., *et al.*, Phytoplankton and Planktonic Protozoa of the Offshore Waters, Gulf of Maine, 350
Biochemistry (book reviews), 125, 238, 376, 505
Biometry (book reviews), 128, 241, 379, 508
Bipolarity of parallel phenomena, 390
Bisson, C. S., *et al.*, Investigations on the Physical and Chemical Properties of Beeswax, 126
Blacklock, D. B., and Southwell, T., A Guide to Human Parasitology, 237
Blegen, T. C., Norwegian Migration to America, 354
Blos, P., The Adolescent Personality, 381
Blum, H. F., Photodynamic Action and Diseases Caused by Light, 371
Bochalli, R., History of Phthisis, 375
Bodley, R., and Hearst, Lorna, Gertrude Bell, 485
Bogomolets, A. A. (Ed.), Old Age. (Proceedings of the Conference on the Problem of the Development of Old Age and the Prevention of Premature Aging of the Organism), 122
Bolduan, C. F., and Bolduan, N. W., Public Health and Hygiene, 504
Bond, A. DeM., An Experiment in the Teaching of Genetics with Special Reference to the Objectives of General Education, 210
Boodin, J. E., The Social Mind: Foundations of Social Philosophy, 130
Borsook, H., Vitamins: What They Are and How They Can Benefit You, 235
Botany (book reviews), 118, 228, 364, 494
Bowden, Witt, Wages, Hours, and Productivity of Industrial Labor 1909 to 1939, 220
Bowerman, Walter G., and Brett, J. Henry, Pulse Rates, 90–99
Boyd, M. F., Preventive Medicine, 123
Brachiopods, 431
Brady, Dorothy, *et al.*, Family Income and Expenditures. Southeast Region. Pt. 1. Family Income, 221
Family Income and Expenditures. Five Regions. Pt. 2. Family Expenditures, 357
Bradypus, 18
Bram, I., How to Prevent Goiter, 375
Branch, G. E. K., and Calvin, M., The Theory of Organic Chemistry, 378

Brekhus, P. J., Your Teeth: Their Past, Present, and Probable Future, 502
Brett, J. Henry, 90
Brett, W. (Ed.), The Home Gardening Encyclopaedia, 230
British Museum (Natural History), British Graham Land Expedition 1934–37 Scientific Reports. Vol. I, Nos. 1–7, 489
Britton, S. W., Form and Function in the Sloth, 13–34, 190–207
Brodshaug, M., *et al.*, Endocrine Glands: A Guide for Use with the Instructional Sound Film "Endocrine Glands," 234
Foods and Nutrition: A Guide for Use with the Instructional Sound Film "Foods and Nutrition," 234
Bronson, W. S., Children of the Sea, 227
Brown, L., The Story of Clinical Pulmonary Tuberculosis, 499
Buell, M. F., and Cain, R. L., A Key to Woody Plants Based upon the Flora of Itasca Park, Minnesota, 366
Burgess, P., Who Walk Alone, 221
Burnet, F. M., Biological Aspects of Infectious Disease, 373
Buros, O. K. (Ed.), The Nineteen Forty Mental Measurements Yearbook, 382
Burt, C., The Factors of the Mind, 511
Bushnell, D. I., Jr., Evidence of Early Indian Occupancy near the Peaks of Otter, Bedford County, Virginia, 358

Calcium carbonate, 400
Calkins, G. N., and Summers, F. M. (Eds.), Protozoa in Biological Research, 474
Cameron, G. M., The Bacteriology of Public Health, 504
Canary, 462
Cannibalism, 448
Carbohydrate metabolism, 202
Carlson, A. J., and Johnson, V., The Machinery of the Body, 375
Carlson, E. R., Born That Way, 360
Carnegie Institution of Washington, Washington, D. C., Botany of the Maya Area, 119
Carnegie Institution of Washington Year Book No. 39, 351
Contributions to Embryology, 231
Papers from Tortugas Laboratory, 351
Carpenter, C. R., A Field Study in Siam of the Behavior and Social Relations of the Gibbon (*Hylobates lar*), 382
Carpenter, F. M., A Revision of the Nearctic Hemerobiidae, Berothidae, Sisyridae, Polystoechotidae and Dilaridae (Neuroptera), 494
Carroll, P. L., and Horner, W. F., An Atlas of the Frog, 117
Carter, G. S., A General Zoology of the Invertebrates, 115
Caspari, Ernst, The Morphology and Development of the Wing Pattern of Lepidoptera, 249–273
Castiglioni, A., A History of Medicine, 370
Cattell, J. (Ed.), Biological Symposia. Vol. II, 482
Cerwin, H. (Ed.), Famous Recipes by Famous People, 374
Chace, L. M., Look at Life! A Collection of Nature Photographs, 133
Chamberlin, W. J., Entomological Nomenclature and Literature, 362
Chambers, E. G., Statistical Calculation for Beginners, 508
Chandler, A. C., Introduction to Parasitology, With Special Reference to the Parasites of Man, 224
Chapman, Guy, Culture and Survival, 112
Chatfield, Charlotte, and Adams, Georgian, Proximate Composition of American Food Materials, 126
Child, C. M., Patterns and Problems of Development, 496
Chilean Nitrate Educational Bureau, If They Could Speak!, 377
Cholepus, 18
Ciferri, R., Manual of Plant Pathology, 229
Clara, M., Human Embryology, 368
Clark, C. C., and Hall, R. H., This Living World: A College Course in Science, 103
Clark, H. W., Genes and Genesis, 209
Clausen, C. P., Entomophagous Insects, 360
Clausen, Jens, *et al.*, Experimental Studies on the Nature of Species, 101
Cleckley, H., The Mask of Sanity, 508
Clements-Shelford system, 276, 455
Coelenterates, 427
Cole, E. C., Text-book of Comparative Histology, 498
Colin, E. C., Elements of Genetics, 350
Colt Press, The Epicure in China, 248
Colton, H. S., Winona and Ridge Ruin. Pt. II. Notes on the Technology and Taxonomy of the Pottery, 485
Commission on Mixed Marriages, Report of the Commission on Mixed Marriages in South Africa, 378
Community as a social organism, 276
Comparative anatomy and physiology of the anterior pituitary, 294
Comparative hematology and the functions of the leucocytes, 426
Competition, a population pressure, 447
inter-specific, 451
Comstock, J. H., An Introduction to Entomology, 114

Coolidge, H. J., Jr., The Indo-Chinese Forest Ox or Kouprey, 361
Coon, G. P., and Raymond, Alice F., A Review of the Psychoneuroses at Stockbridge, 244
Co-operation, 279, 440
Copeland, E. B., Tropical American Ferns, 496
Cott, Hugh B., Adaptative Coloration in Animals, 100
Cruickshank, Helen G., Bird Islands Down East, 494
Culley, J. H., Cattle, Horses and Men of the Western Range, 358
Cummings, L. V., I Was A Head-Hunter, 489
Cummings, R. O., The American and His Food, 237
Cunningham, Bess V., Family Behavior: A Study of Human Relations, 221
Cutner, H., A Short History of Sex-Worship, 128
Cycle of action and reaction, 277

Dahlberg, G., Statistical Methods for Medical and Biological Students, 241
Dakin, E. F. (Arranged by), Today and Destiny: Vital Excerpts from The Decline of the West of Oswald Spengler, 111
Daugherty, L. H., The Upper Triassic Flora of Arizona. With a Discussion of Its Geologic Occurrence, by Howard R. Stagner, 478
Davidson, L. S. P., and Anderson, I. A., A Textbook of Dietetics, 500
Davis, M. M., America Organizes Medicine, 503
Dawber, M. A., Our Shifting Populations, 222
Degener, Otto, Flora Hawaiiensis, 120
Demaison, A., The New Noah's Ark, 113
De Omnibus Rebus et Quibusdem Aliis, 130, 246, 384, 513
De Vries, L., *et al.*, French-English Science Dictionary for Students in Agricultural, Biological, and Physical Sciences, 133
Diamond, M., and Weinmann, J. P., The Enamel of Human Teeth, 121
Diatoms, 395
Diehl, H. S., Textbook of Healthful Living, 373
Disoperation, 280, 444
Doney, C. F., List of Shrubs Exclusive of Conifers Growing Outdoors in the Brooklyn Botanic Garden 1940, 366
Downie, R. Angus, James George Frazer, 108
Drew, J., Man, Microbe, and Malady, 238
Drosophila, 43, 283, 442
Ducks, as laboratory animals, 466
  blood picture of, 468
Dunkle, D. H., and Bungart, P. A., On One of the Least Known of the Cleveland Shale Arthrodira, 210

Earnest, E., John and William Bartram, Botanists and Explorers, 1699–1777, 1739–1823, 213
Ebner, A., German Forests, 365
Echinoderms, 423
Ecology and laboratory populations, 274, 440
Eddy, S., *et al.*, Atlas of Outline Drawings of the Dogfish Shark, the Necturus, and the Cat for Vertebrate Anatomy, 232
Eddy, W. H., What Are the Vitamins?, 377
  and Dalldorf, G., The Avitaminoses, 505
Edey, M. A., American Songbirds, 227
Egg-eating, 448
von Eickstedt, E. F., Ethnology and Racial History of Man, 359
Einarson, L., Neel, A. V., Notes on Diffuse Sclerosis, Diffuse Gliomatosis and Diffuse Glioblastomatosis of the Brain with a Report of Two Cases, 504
Ellis, C., and Wells, A. A., The Chemical Action of Ultraviolet Rays, 376
Emans, Elaine V., About Spiders: Introducing Arachne, 117
Engels, F., Dialectics of Nature, 131
Engels, W. L., Structural Adaptations in Thrashers (Mimidae; genus *Toxostoma*) with Comments on Interspecific Relationships, 100
Erickson, Betty N., 80
Erythrocytes, in controlled anemia, 87
Espinosa, J. M., First Expedition of Vargas into New Mexico, 1692, 352
Estabrooks, G. H., Man: The Mechanical Misfit, 357
Euglena, 338
Evolution (book reviews), 100, 208, 349, 478

Fassett, N. C., A Manual of Aquatic Plants, 365
Fasten, N., Introduction to General Zoology, 492
Fat, in diatoms, 397
Fecundity, in *Drosophila*, 450
Felt, E. P., Plant Galls and Gall Makers, 226
Fenn, W. O., (Ed.), Biological Symposia, Vol. III, 502
Ferris, G. F., Atlas of the Scale Insects of North America, Series III, 494
Fertility and sex ratio, 69
Field, M. J., Social Organization of the Gã People, 488
Finney, J. M. T., A Surgeon's Life: The Autobiography of J. M. T. Finney, 219
Firbank, T., I Bought a Mountain, 222
Fisher, H. L., Rubber and Its Use, 515
Fitzpatrick, F. L., The Control of Organisms, 226
Flatworms, 427
Fletcher, F. M., Effects of Quantitative Variation of Food-Incentive on the Performance of Physical Work by Chimpanzees, 130
Flexner, Abraham, I Remember, 108
Forbes, James, A Laboratory Manual for Histology, 498

Form and function in the sloth, 13, 190
Fox, H. M., The Personality of Animals, 383
Fox, I., Fleas of Eastern United States, 493
Fraenkel, G. S., and Gunn, D. L., The Orientation of Animals, 243
Fremlin, Celia, The Seven Chars of Chelsea, 219
Friedman, Reuben, The Emperor's Itch, 125
Frobisher, Martin, Jr., Fundamentals of Bacteriology, 120
Functions of the leucocytes, 426

Gabrielson, I. N., Wildlife Conservation, 351
Galdston, I., Progress in Medicine, 123
Galloway, L. D., and Burgess, R., Applied Mycology and Bacteriology, 121
Geier, F. M., *et al.*, Individual Differences in Emotionality, Hypothesis Formation, Vicarious Trial and Error, and Visual Discrimination Learning in Rats, 512
General Biology (book reviews), 103, 211, 350, 480
Genetic factors, 258
Genetics (book reviews), 101, 210, 349, 479
George, W. C., Comparative Hematology and the Functions of the Leucocytes, 426–439
Georgia Writers' Project (Savannah Unit), Drums and Shadows, 487
Gerard, R. W., Unresting Cells, 104
Prefatory Note to "Respiration in the Living Cell, by P. S. Tang," 173
Gesell, A., Wolf Child and Human Child, 511
Ghurye, G. S., Indian Population Problems. Report and Proceedings of the 2nd All-India Population and 1st Family Hygiene Conference, 1938, 359
Glass, D. V., Population Policies and Movements in Europe, 110
Glaucoma, 338
Glover, E., The Psychology of Fear and Courage, 242
Goldhahn, R., History of Medical Practice and Hospital Service, 375
Goldstein, K., Human Nature in the Light of Psychopathology, 512
Goodwin, W. B., The Truth about Leif Ericsson and the Greenland Voyages, 484
Gorbman, Aubrey, Comparative Anatomy and Physiology of the Anterior Pituitary, 294–309
Govan, Ada C., Wings at My Window, 225
Gradient of assimilation, 391
Greaves, J. E., and Greaves, Ethelyn O., Elementary Bacteriology, 120
Green, D. E., Mechanisms of Biological Oxidations, 377
Greene, Alice B., The Philosophy of Silence, 381
Greenhood, E. R., Jr., A Detailed Proof of the Chi-Square Test of Goodness of Fit, 128
Gregory, *Sir* Richard, Religion in Science and Civilization, 384
Guinea pig, 141
Gurney, Ann, Vegetable Variety: or How to Enjoy a Meatless Meal, 134
Gütt, A. (Ed.), Handbook of Hereditary Diseases, 479

v. Hagen, V. W., Jungle in the Clouds, 217
Hamaker, J. I., Matthias Gish of White Oak, 218
Hammond, John, Farm Animals: Their Breeding, Growth and Inheritance, 349
Hannum, C. A., Comparative Chordate Anatomy, 498
Hansen, M. L., The Immigrant in American History, 355
The Mingling of the Canadian and American Peoples, Vol. I, 216
Haring, D. G., and Johnson, Mary E., Order and Possibility in Social Life, 112
Harlan, H. V., *et al.*, A Study of Methods in Barley Breeding, 102
Harrison, P. W., Doctor in Arabia, 217
Harrow, B., Textbook of Biochemistry, 125
et al., Laboratory Manual of Biochemistry, 239
Harvey, W. C., and Hill, H., Insect Pests, 360
Hassall, A., *et al.*, Index-Catalogue of Medical and Veterinary Zoology, Pt. 4. Authors: D to DŽUNKOVSKI, 227
Hawgood, J. A., The Tragedy of German-America, 215
Hawkes, C. F. C., The Prehistoric Foundations of Europe, 108
Hawley, Florence, Tree-Ring Analysis and Dating in the Mississippi Drainage, 495
Hay, C. L., *et al.*, The Maya and Their Neighbors, 353
Healy, W., and Alper, B. S., Criminal Youth and the Borstal System, 512
Henry, G. W., Sex Variants: A Study in Homosexual Patterns, 507
Henshaw, P. C., *et al.*, Studies in Cenezoic Vertebrates and Stratigraphy of Western North America, 209
Herms, W. B., and Gray, H. F., Mosquito Control, 225
Hewitt, R., Bird Malaria, 236
Hilgard, E. R., and Marquis, D. E., Conditioning and Learning, 129
Hogben, L., Principles of Animal Biology, 114
Hollingsworth, Helen, *et al.*, Family Expenditures for Medical Care. Five Regions, 486
Holman, R. M., and Robbins, W. W., Elements of Botany, 119
Holmes, W. H., Bacillary and Rickettsial Infections: Acute and Chronic, 234
Hook, A., The Human Mind, 245
Hook patterns on acanthocephalan proboscis, 161

Hootan, E. A., Why Men Behave Like Apes and Vice Versa: or Body and Behavior, 245
Hormones, gonadotropic, 302
hypophyseal, 305
pituitary, 300
Hosking, E., and Newberry, C. W., Intimate Sketches from Bird Life, 117
Hoskins, R. G., Endocrinology, 500
Howard, E., A Waterhen's Worlds, 383
Howell, W. H., A Textbook of Physiology, 124
Hullinger, E. W., Plowing Through. The Story of the Negro in Agriculture, 223
Human Biology (book reviews), 104, 213, 352, 483
Hume, E. E., Medical Work of the Knights Hospitallers of Saint John of Jerusalem, 121
The Chinese Way in Medicine, 122
Hunt, G. T., The Wars of the Iroquois, 359
Huxley, J. S., Man Stands Alone, 488
Huxley-Wilberforce-Hooker debate, 2
Hybridization, 46
Hydrogen ion concentration, 177
Hylander, C. J., and Stanley, O. B., Plants and Man, 365

Illegitimacy, 56
Ingram, K., Sex-Morality Tomorrow, 241
Inn, H., Chinese Houses and Gardens, 229
Insect vectors, 467

Janssen, R. E., Some Fossil Plant Types of Illinois, 210
Johannsen, O. A., and Butt, F. H., Embryology of Insects and Myriapods, 366
Johnson, W. H., Nutrition in the Protozoa, 336–347
Some Notable Essays on Protozoan Research, 474
Jones, H. S., Life on Other Worlds, 132
Josephson, E. M., Your Life Is Their Toy, 112

Kamp, J. P., The Fifth Column in Washington, 223
Kane, H. B., The Tale of the Bullfrog, 363
Kendall, J. I., The Microscopic Anatomy of Vertebrates, 232
Kendall, M. G., and Smith, B. B., Tables of Random Sampling Numbers, 379
Kennerley, J., The Terror of the Leopard Men, 246
Kieran, J., Nature Notes, 483
Kinietz, W. V., The Indians of the Western Great Lakes, 1615–1760, 484
Knight, P., The Problems of Insect Study, 362
Köhler, W., Dynamics in Psychology, 129
Kramm, H., The Library of a Wittenberg Physician, 1790, 516
Krogh, A., The Comparative Physiology of Respiratory Mechanisms, 375
Krogman, W. M., A Bibliography of Human Morphology 1914–1939, 367
Krummer, F. A., Lief Erikson the Lucky, 221
Kyrk, Hazel, *et al.*, Family Housing and Facilities. Five Regions, 486

Laboratory population as a test of a comprehensive ecological system, 274, 440
Landis, C., *et al.*, Sex in Development, 127
Langworthy, O. R., Physiology of Micturition, 234
Large, E. C., The Advance of the Fungi, 364
Latrobe, F. C., Chesapeake Bay Cook Book, 248
Lawrence, Philip S., The Sex Ratio, Fertility, and Ancestral Longevity, 35–79
Lawson, J. A., Honeycraft in Theory and Practice, 227
Leach, J. G., Insect Transmission of Plant Diseases, 115
Lederer, Ruth K., and Redfield, Janet, Studies in Infant Behavior, V., 381
Lennox, W. G., Science and Seizures, 502
Leonard, A. B., A Laboratory Guide to the Study of Developmental Anatomy, 497
Lepidoptera, 249
Levine, M. I., and Seligmann, J. H., The Wonder of Life, 379
Ley, W., The Lungfish and the Unicorn, 490
Leybourne, Grace G., and White, Kenneth, Education and the Birth-Rate, 107
Lindau, G., Collecting, Preserving, and Labelling Cryptograms, 496
Ling, Bing-Chung, Form Discrimination as a Learning Cue in Infants, 513
Linton, R. (Ed.), Acculturation in Seven American Indian Tribes, 358
Loeser, J. A., Animal Behaviour, 509
Lorimer, F., *et al.*, Foundations of American Population Policy, 219
Luck, J. M., and Hall, V. E. (Eds.), Annual Review of Physiology, Vol. III, 502
Luyet, B. J., and Gehenio, P. M., Life and Death at Low Temperatures, 237

Macaulay, Mary, The Tree of Life of the Human Personality, 130
Macrophages, 434
Macy, Icie, G., 80
Malaria research, 462
Margolin, S. E., and Bunch, M. E., The Relationship between Age and the Strength of Hunger Motivation, 246
Marschner, F. J., Rural Population Density in the Southern Appalachians, 114
Martin, Dorothy S., *et al.*, Family Income and Expenditures: Middle Atlantic, North Central and New England Regions, Pt. I, Family Income, 357

Martin, P. S., The SU Site Excavations at a Mogollon Village, Western New Mexico, 1939, 220
Maslow, A. H., and Mittelmann, B., Principles of Abnormal Psychology, The Dynamics of Psychic Illness, 380
Mason, P. W., A Revision of the North American Aphids of the Genus *Myzus*, 118
Mating, in sloths, 32
behavior in female mammals, 135, 311
Matschat, C. H., American Wild Flowers, 230
Mavor, J. W., General Biology, 482
McAllister, Ethel M., Amos Eaton: Scientist and Educator, 1776–1842, 494
McClung, L. S., and McCoy, Elizabeth, The Anaerobic Bacteria and Their Activities in Nature and Disease, 496
McDonagh, J. E. R., The Universe Through Medicine, 233
McDougall, W. B., Plant Ecology, 496
McGregor, J. C., Winona and Ridge Ruin, Pt. I. Architecture and Material Culture, 485
Melanophore hormone, 299
Meredith, Florence L., Hygiene, 372
Metamorphosis, in *Tribolium*, 445
Microplankton, 397
Miller, E. (Ed.), The Neuroses in War, 244
Mitchell, A. G., Pediatric Bibliography, 503
Mitchell, *Sir* P. Chalmers, The Childhood of Animals, 224
Mitosis pattern, 265
Monroe, Day, *et al.*, Family Expenditures for Automobile and Other Transportation, 487
Family Income and Expenditures, Pt. I, Family Income, 109
Moorman, L. J., Tuberculosis and Genius, 123
Morphology (book reviews), 121, 231, 366, 496
Morphology and development of the wing pattern of Lepidoptera, 249
Morrel, Martha McB., When the World Was Young, 479
Mortensen, W., Outdoor Portraiture, 134
Morton, Rosalie S., A Doctor's Holiday in Iran, 107
Mouse, 140

Needham, J. G., Introducing Insects, 226
New Biological Books, 100–134, 208–248, 348–387, 474–516
Newby, W. W., The Embryology of the Echiuroid Worm *Urechis caupo*, 367
Newman, B., Must We Grow Old?, 501
Newman, H. H., Multiple Human Births, 211
New York Zoological Society, Zoologica, 116, 225, 361, 492
Niemoeller, A. F., Complete Guide for the Deafened, 236
Handbook of Hearing Aids, 236
Nitrates, 391
Nord, F. F., and Werkman, C. H., Advances in Enzymology and Related Subjects, Vol. I, 505
Northbourne, *Lord*, Look to the Land, 212
Nowlis, V., Companionship Preference and Dominance in the Social Interaction of Young Chimpanzees, 510
Nutrition, heterotrophic, 337
in Protozoa, 336
phototrophic, 337

Observations and experiments on mating behavior in female mammals, 135, 311
Optimum density effect, 449
Organic polarity: some ecological and physiological aspects, 389
Orr, R. T., The Rabbits of California, 116
Osborn, Frederick, Preface to Eugenics, 101
Osteology, of the sloth, 191
Oxidation, 184
Oxygen tension, 179

Panum, P. L., Observations Made During the Epidemic of Measles on the Faroe Islands in the Year 1846, 124
Park, Thomas, The Laboratory Population as a Test of a Comprehensive Ecological System, 274–293, 440–461
Parker, T. Jeffrey, and Haswell, W. A., A Text-Book of Zoology (Revised by Otto Lowenstein and C. Forster-Cooper), 223
Parshley, H. M., Biology, 352
Pavlov, I. P. (Gantt, W. H., Ed.), Conditioned Reflexes and Psychiatry, 509
Peacock, G., A Treatise of Algebra, 241
Peairs, L. M., Insect Pests of Farm, Garden, and Orchard, 360
Pearse, A. S., The Migrations of Animals from Sea to Land, 491
Pearson, Karl, The Life, Letters and Labours of Francis Galton, 104
Pelagic larvae, 389
Peridinians, 395
Perla, D., and Jessie Marmorston, Natural Resistance and Clinical Medicine, 499
Perry, Josephine, Fish Production, 227
Peters, C. C., and Van Voorhis, W. R., Statistical Procedures and Their Mathematical Bases, 128
Pfaff, W., German Science in the Struggle against Tuberculosis, 374
Philosomia cynthia, 250
Phosphates, 391
Photometabolism, 392

Physiology and Pathology (book reviews), 121, 233, 368, 499
Pickwell, G., Animals in Action, 117
Pituitary homologues, 295
Plankton, consumer, 395
producer, 395
Plasmodium, 462
Pope, C. H., China's Animal Frontier, 113
Popenoe, P., Modern Marriage, A Handbook for Men, 240
Population studies, in the laboratory, 283
Populations, alterations of sex ratio with latitude, 415
Posthemolytic residue, 83
Potter, G. E., Essentials of Zoology, 226
Prawdin, M., The Mongol Empire: Its Rise and Legacy, 214
Protozoa, 336
Pryor, Helen B., Width-Weight Tables for Boys and Girls from 1 to 17 Years—for Men and Women from 18 to 41+ Years, 242
Psychology and Behavior (book reviews), 129, 242, 379, 508
Pulse rates, 90
and age, 92

Quinn, V., Shrubs in the Garden and Their Legends, 229

Rabbits, 143
Rainier, P. W., My Vanished Africa, 215
Rashevsky, N. (Ed.), The Bulletin of Mathematical Biophysics, 128, 242, 379, 508
Rats, 137
Red blood cell, 80
Reik, T., From Thirty Years with Freud, 245
Reiser, O. L., The Promise of Scientific Humanism, 246
Reithinger, A., Why France Lost the War: A Biologic and Economic Survey, 105
Respiration in the living cell, 173
Respiratory apparatus, of the sloth, 198
Rhythmical patterns, 269
Roberts, C. H., *et al.*, Chemical Methods for the Study of River Pollution, 238
Robson, J. M., Recent Advances in Sex and Reproductive Physiology, 125
Rodgers, A. D. III, "Noble Fellow": William Starling Sullivant, 494
Rohr, K., Human Bone Marrow, 501
Rony, H. R., Obesity and Leanness, 233
Rorimer, Irene T., A Field Key to Our Common Birds, 363
Rosenfield, Leonora, C., From Beast-Machine to Man-Machine. Animal Soul in French Letters from Descartes to La Mettrie, 385
de Rudder, B., and Linke, F. (Eds.), Biology of Large Cities, 356

Salter, W. T., The Endocrine Function of Iodine, 235
Sass, J. E., Elements of Botanical Microtechnique, 229
Saturnidae, 251
de Savitsch, E., In Search of Complications, 113
Saward, E. J., Putnam, Persis, *et al.*, Studies on Tuberculosis, 373
Schilletter, J. C., and Richey, H. W., Textbook of General Horticulture, 118
Scholander, P. F., Experimental Investigations of the Respiratory Function in Diving Mammals and Birds, 236
Schultz, B. K. (Ed.), Lectures on Anthropology, Race History and Ethnology, 359
Scott, C., Lions on Trust, 513
Scott, W. B., and Jepson, G. L., The Mammalian Fauna of the White River Oligocene, 208
Sensitivity to estrogen-action, 320
Sex (book reviews), 127, 239, 378, 507
Sex determination, 38
ratio, and temperature, 415
fertility and longevity, 35
inheritance of, 43
seasonal variation in, 62
variation in, 51
Shackelford, Shelby, Electric Eel Calling, 493
Sheep, 145
Shepard, H. H., The Chemistry and Toxicology of Insecticides, 125
Sherman, H. C., Chemistry of Food and Nutrition, 506
Sherrington, *Sir* Charles, Man on His Nature, 368
Shull, A. F., *et al.*, Principles of Animal Biology, 492
Sigerist, H. E., Medicine and Human Welfare, 374
Silverman, M., Magic in a Bottle, 378
Sinclair, C. G., Microbiology and Pathology, 374
Sloths, distribution of, 18
habits of, 22
Smallwood, W. M., The Agassiz-Rogers Debate on Evolution, 1–12
Smith, G., Plague on Us, 371
Smith, K. M., The Virus: Life's Enemy, 124
Smith, P. E., *et al.*, Bailey's Text-Book of Histology, 232
Smithsonian Institution, Annual Report of the Board of Regents of the Smithsonian Institution, 212
Essays in Historical Anthropology of North America, 113
Snedecor, G. W., Statistical Methods, 242
Snodgrass, R. E., The Male Genitalia of Hymenoptera, 368
Snyder, Emily E., Biology in the Making, 213
Some notable essays on Protozoan research, 474

Speiser, E. A., *et al.*, Studies in the History of Science, 516
Spicer, E. H., Pascua: A Yaqui Village in Arizona, 110
Sponges, 426
Stadler, L. J., *et al.*, Science in Progress, Second Series, 248
Staff of the Roscoe B. Jackson Memorial Laboratory, Biology of the Laboratory Mouse, 493
Standley, P. C., and Steyermark, J. A., Studies of Central American Plants—I, 230
Stanford, E. E., Man and the Living World, 213
Stegner, Mabel, Vitamins for Health and Beauty, 235
Steinbauer, C. E., Physiological Studies of Jerusalem-Artichoke Tubers, 120
Steincrohn, P. J., More Years for the Asking, 238
Stevens, S. R., Trees, 120
Stevers, M., Mind Through the Ages: A History of Human Intelligence, 379
Stillbirths, 48
Stix, Regine K., and Notestein, F. W., Controlled Fertility, 239
Stonor, C. R., Courtship and Display among Birds, 383
Stuart, H. C., *et al.*, The Growth of Bone, Muscle and Overlying Tissues as Revealed by Studies of Roentgenograms of the Leg Area, 366
von Studnitz, G., Physiology of vision, 369
Submarine slopes, 394
Sutherland, I. L. G. (Ed.), The Maori People Today: A General Survey, 354
Swedish Population Commission, Report on the Sex Question, 127
Swellengrebel, N. H., and Kuyp, E. van der, Health of White Settlers in Surinam, 501
Swigert, A. M., Jr., The Story of Superfinish, 133

Tang, P. S., Respiration in the Living Cell, 173–189
Tarski, A., Introduction to Logic and to the Methodology of Deductive Sciences, 386
Taylor, Lyda A., Plants Used as Curatives by Certain Southeastern Tribes, 364
Temperature, 178
Teratological variations, 160
Thiele, R., Personality and Character, 504
Thirty Foresters (Russell Lord, Ed.), Forest Outings, 119
Thomas, A. B., The Plains Indians and New Mexico, 1751–1778, 488
Thomas, Dorothy S., Social and Economic Aspects of Swedish Population Movements 1750–1933, 358
Thomas, Joan G., *Pomatoceros*, *Sabella* and *Amphitrite*, 227
Thompson, D'Arcy, W., Science and the Classics, 132
Thorndike, E. L., Human Nature and the Social Order, 217
Thorndike, L., A History of Magic and Experimental Science, Vols. V and VI, The Sixteenth Century, 513
Thurstone, L. L., and Thurstone, Thelma G., Factorial Studies of Intelligence, 510
Topley, W. W. C., Authority, Observation and Experiment in Medicine: Linacre Lecture 1940, 370
Transeau, E. N., *et al.*, Textbook of Botany, 228
Trautman, M. B., The Birds of Buckeye Lake, Ohio, 115
Tressler, D. K., *et al.*, Marine Products of Commerce, 481
Tribolium, 284, 440
Tryon, R. M., *et al.*, The Ferns and Fern Allies of Wisconsin, 230
Turner, C. D., Laboratory Directions for General Endocrinology, 506
Tweney, C. F., and Hughes, L. E. C. (Eds.), Chamber's Technical Dictionary, 248

Unwin, J. D., Hopousia or The Sexual and Economic Foundations of a New Society, 240

Vance, B. B., *et al.*, Biology Workbook, 481
Van Cleave, Harley, J., Hook Patterns on the Acanthocephalan, 157–172
Vital velocities, 394
Von Hagen, V. W., and Hawkins, Q., Quetzal Quest, 363

Waddington, C. H., Organisers and Genes, 102
Waldeck, T. J., On Safari, 355
Walker, K., The Physiology of Sex and Its Social Implications, 241
Walsh, G., and Pool, R. M., Antithetical Views on Twinning Found in the Bible and Shakespeare, 514
Ward, F. K., Assam Adventure, 357
Warner, R. A., New Haven Negroes, 355
Weber, R. L., Temperature Measurement, 386
Webster, J. H. D., The Periodicity and Cause of Cancer, Leukæmia and Allied Tumours with Chapters on Their Treatment, 372
Weimer, B. R. (Compiled by), Nature Smiles in Verse, 352
Weisman, A. I., Spermatozoa and Sterility. A Clinical Manual, 507
Weizsäcker, V. von, *Gestalt* cycle, 516
Werkmeister, W. H., A Philosophy of Science, 246
Werner, L. F., The Labyrinth of the Ear, 497
Westcott, Cynthia, The Plant Doctor, 495
Wheeler, W. F., Intermediate Biology, 103

White, E. Grace, Principles of Genetics, 211
Whitley, G. P., The Fishes of Australia. Pt. I. The Sharks, Rays, Devil-Fish, and Other Primitive Fishes of Australia and New Zealand, 491
Williams, A. B., Geology of the Cleveland Region, 349
Williams, Harold H., Erickson, Betty N., and Macy, Icie G., Chemical Structure of the Red Blood Cell, 80–89
Williamson, R. W., Essays in Polynesian Ethnology, 110
Willis, J. C., The Course of Evolution by Differentiation or Divergent Mutation rather than by Selection, 209
Willis, L. G. (Compiled by), Bibliography of References to the Literature of the Minor Elements and Their Relation to Plant and Animal Nutrition, 506
Wilson, May G., Rheumatic Fever, 122
Wilson, P. W., The Biochemistry of Symbiotic Nitrogen Fixation, 377
Wimpenny, R. S., Organic Polarity: Some Ecological and Physiological Aspects, 389–425
Windle, W. F., Physiology of the Fetus, 235
Wing pattern of Lepidoptera, 249
Winters, L. M., Animal Breeding, 210
Wisdom, C., The Chorti Indians of Guatemala, 222
Wolfle, D., Factor Analysis to 1940, 511
Wolfson, Fruma, Avian Hosts for Malaria Research, 462–473
Woo, T. L., *et al.* (Eds.), The Anthropological Journal of the Institute of History and Philology, 109
Woodruff, L. L., Foundations of Biology, 482
(Ed.), The Development of the Sciences, 515
Wright, W. C., Diseases of Workers, 124
Writers' Program of the Work Projects Administration in the City of New York (Compiled by), American Wild Life, 362

Yates, P. L., Food Production in Western Europe, 211
Young, Hugh H., Hugh Young: A Surgeon's Autobiography, 106
Young, William C., Observations and Experiments on Mating Behavior in Female Mammals, 135–156, 311–335

Zeliff, C. C., Laboratory Manual for Introductory Invertebrate Zoology, 363
Znanieki, F., The Social Role of the Man of Knowledge, 385
Zon, R., *et al.*, Conservation of Renewable Natural Resources, 480
Zones, circumpolar, 389
surface, 389
Zoology (book reviews), 114, 223, 360, 489